



POSITION DESCRIPTION (Please Read Instructions on the Back)

2. Reason for Submission <input type="checkbox"/> Redescription <input checked="" type="checkbox"/> New <input type="checkbox"/> Hdqtrs. <input checked="" type="checkbox"/> Field <input type="checkbox"/> Reestablishment <input type="checkbox"/> Other Explanation: (Show any positions replaced)						3. Service <input type="checkbox"/> Hdqtrs. <input checked="" type="checkbox"/> Field		4. Employing Office Location Orlando, FL		5. Duty Station Orlando, FL		1. Agency Position No. NL12067	
7. Fair Labor Standards Act <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt						8. Financial Statements Required <input type="checkbox"/> Executive Personnel Financial Disclosure <input checked="" type="checkbox"/> Employment and Financial Interests		9. Subject to IA Action <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. OPM Certification No.			
10. Position Status <input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Excepted (Specify in Remarks) SES (Gen.) <input type="checkbox"/> SES (CR)						11. Position is: <input type="checkbox"/> Supervisory <input type="checkbox"/> Managerial <input checked="" type="checkbox"/> Neither		12. Sensitivity <input type="checkbox"/> 1 - Non-Sensitive <input type="checkbox"/> 3 - Critical Sensitive <input type="checkbox"/> 2 - Noncritical Sensitive <input type="checkbox"/> 4 - Special Sensitive		13. Competitive Level Code 1435/1436			
14. Agency Use													
15. Classified/Graded by a. U.S. Office of Personnel Management b. Department, Agency or Establishment c. Second Level Review d. First Level Review e. Recommended by Supervisor or Initiating Office						Official Title of Position Interdisciplinary Computer/Electronics Engineer Pay Plan GS Occupational Code 0854/0855 Grade 14 Initials JGW Date 11/14/00							
16. Organizational Title of Position (if different from official title) Department of the Army U.S. Army Materiel Command (AMC) Simulation, Training and Instrumentation Command (STRICOM)						17. Name of Employee (if vacant, specify) Directorate for Research and Engineering Management (E)							
18. Department, Agency, or Establishment Department of the Army a. First Subdivision U.S. Army Materiel Command (AMC) b. Second Subdivision Simulation, Training and Instrumentation Command (STRICOM)						c. Third Subdivision Directorate for Research and Engineering Management (E) d. Fourth Subdivision e. Fifth Subdivision							
19. Employee review - This is an accurate description of the major duties and responsibilities of my position.						Signature of Employee (optional)							
20. Supervisory Certification. I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the						knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.							
a. Typed Name and Title of Immediate Supervisor Edwin A. Trier Director for Research and Engineering Management Signature  Date 11/14/00						b. Typed Name and Title of Higher-Level Supervisor or Manager (optional) Signature Date							
21. Classification/Job Grading Certification. I certify that this position has been classified/graded as required by Title 5, U.S. Code, in conformance with standards published by the U.S. Office of Personnel Management or, if no published standards apply directly, consistently with the most applicable published standards. Typed Name and Title of Official Taking Action James B. Godwin, Jr., Col., FA, Chief of Staff Signature  Date 11/14/00						22. Position Classification Standards Used in Classifying/Grading Position USOPM PCS for GS-854 Series, TS-83, Jan 88 USOPM PCS for GS-855 Series, TS-3, Feb 71 USOPM Equipment Development GEG, TS-74, Jun 68 Information for Employees. The standards, and information on their application, are available in the personnel office. The classification of the position may be reviewed and corrected by the agency or the U.S. Office of Personnel Management. Information on classification/job grading appeals, and complaints on exemption from FLISA, is available from the personnel office or the U.S. Office of Personnel Management.							
23. Position Review a. Employee (optional) b. Supervisor c. Classifier						24. Remarks BUS: 7777 This position is at the full performance level. This is a Critical Acquisition Position under DAWIA.							
25. Description of Major Duties and Responsibilities (See Attached)													

Previous Edition Usable

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INTRODUCTION

Position is located in the Directorate for Research and Engineering Management (E) of Simulation, Training and Instrumentation Command (STRICOM), a major subordinate command of the U.S. Army Materiel Command (AMC). The mission of STRICOM is to provide centralized management and direction for all research, development, acquisition and fielding of army training devices; simulations and simulators; major test instrumentation; targets and threat simulators; and distributed interactive simulations. The Commander centrally directs, coordinates and supports the materiel development, acquisition and sustainment activities through the functional/matrix organization and four project managers.

Incumbent of this position serves as the senior constructive warfighting simulation engineer for STRICOM. Position requires coordination with the Commanding General, Deputy to the Commander, STRICOM Project Managers and Directors as well as higher headquarters, other AMC Commands, Training and Doctrine Command (TRADOC), other Army and DOD organizations and private industry.

MAJOR DUTIES

Directs STRICOM's technical efforts in the area of constructive simulation to include computer-generated forces, semi-automated forces and interoperability with joint simulations. Develops and oversees the implementation of long range technology development plans in the constructive simulation area in support of future modeling and simulation programs. Supports the Director's objective to maintain continuous surveillance of engineering technology, trends and standards with regard to constructive modeling and simulation efforts to ensure the Command is positioned competitively in a market where investment funding is carefully scrutinized.

40%

Supports STRICOM Project Managers (primarily PM Warsim) during concept formulation, development, production, fielding and post deployment phases of the acquisition life cycle in the area of constructive simulation. Provides technical oversight and direction for the development, representation and interoperability of constructive modeling and simulation systems. Coordinates with the STRICOM Program Managers/Project Directors and matrix organization to ensure that constructive simulation issues have been appropriately considered in the acquisition plans for projects assigned to STRICOM. Leads the Directorate's constructive simulation efforts and with assigned team members, develops guidance, policies and procedures associated with the performance specifications, reusability, standards and interoperability of constructive simulation products. Coordinates with other AMC and Department of Defense (DOD) organizations on constructive simulation technology programs/initiatives and makes recommendations to the Command on technology initiatives that STRICOM should pursue.

40%

Serves as the principal warfighter constructive simulation engineering expert and consultant to the Commander. Provides technical advisory services to personnel within and outside the Command. Serves as subject matter expert in a variety of specialty areas including ALSP, HLA, ONESAF, Warsim 2000, WIM, JSIMS, CBS, TACSIM, STOW-A and Janus. Resolves constructive simulation issues and makes final decisions on controversial technical issues and

problems cutting across organizational lines. Maintains high level contact with key military and private industry officials for the purposes of continuous improvement to STRICOM's constructive simulation capability. Represents STRICOM at constructive simulation meetings and conferences with representatives of DA and DOD organizations, academia and private industry.

20%

Performs other duties as assigned.

FACTOR 1 - KNOWLEDGE REQUIRED BY THE POSITION

A. Expertise in all areas associated with the development, architecture, technical analysis, and support of warfighting constructive simulation systems. This includes experience with or knowledge of: ALSP, HLA, ONESAF, Warsim 2000, WIM, JSIMS, CBS, TACSIM, STOW-A and Janus. Knowledge of: Command and control battle simulations for company level through Echelons above Corps, joint training or simulation exercises, entity behaviors, entity based computer generated forces and SAFOR (semi-automated forces). Knowledge is used to provide technical oversight and direction for the development, representation and interoperability of constructive modeling and simulation systems and to serve as subject matter expert in a variety of specialty areas including ALSP, HLA, ONESAF, Warsim 2000, WIM, JSIMS, CBS, TACSIM, STOW-A and Janus.

B. Expertise in software acquisition management, software development methodologies and software engineering processes as applied to the warfighting constructive simulation domain. This expertise shall be related to (US Army, Joint, NATO and Threat): command and control practices/principles, computer generated forces, semi-automated forces, behavioral representations, artificial intelligence, knowledge acquisition/knowledge engineering, aggregation and de-aggregation of forces and interoperability with joint simulations.

C. Experience applying Department of Defense (DOD) materiel acquisition processes to support the acquisition of simulations, simulators, training systems and instrumentation projects. Specifically the DOD 5000 series of regulations, AMC materiel acquisition practices, TRADOC requirements generation process, and STRICOM acquisition processes. Knowledge is used to develop and oversee the implementation of long range technology development plans in the constructive simulation area in support of future modeling and simulation programs.

D. Demonstrated expertise in applying current and evolving engineering technology required to perform market surveys, risk analysis, trade-off studies, cost estimates and reliability, availability, maintainability (RAM) analysis and to provide technical advice on the conceptual design (including the architecture) of warfighting constructive simulations. Demonstrated expertise in warfighting constructive simulation linkage to simulators, training systems, and live operational hardware and instrumentation systems (as required to support complex military equipment or systems). Knowledge is used to maintain continuous surveillance of engineering technology, trends and standards with regard to constructive modeling and simulation efforts to ensure the Command is positioned competitively in a market where investment funding is carefully scrutinized.

E. Ability to communicate both orally and in writing and to interact well with customers, management and team members.

FACTOR 2 - SUPERVISORY CONTROLS

Incumbent works under general supervision of the Director. Incumbent exercises broad authority for technical decisions, planning and administering assigned responsibilities and managing resources. Recommendations made by the incumbent are accepted as authoritative. Work is reviewed in terms of overall effectiveness and attainment of objectives. Recommendations for the initiation of new projects and abandonment or extensive alteration of objectives and boundaries of constructive warfighting projects are evaluated in terms of the availability of funds, effect on priority and program schedules, availability of manpower, and compatibility with missions and goals of the agency. Technical aspects of the assignments are worked out individually or with affected groups and are normally final. However, broad program implications are generally called to the attention of the supervisor, the Director of Engineering, senior command leadership, and affected Program Managers.

FACTOR 3 - GUIDELINES

Guidelines include DOD, Department of the Army (DA), AMC, and local regulations and policies. The work is characterized by problems for which engineering precedents are lacking in areas critical to the overall development effort or program. Expert judgment/skill must be utilized by the incumbent to adapt new, changing and emerging technology to constructive warfighting simulations.

FACTOR 4 - COMPLEXITY

The incumbent serves as an expert advisor and provides leadership that advances the state of the art in constructive warfighting simulation. The incumbent deals with new and emerging warfighting constructive simulation technologies and must frequently develop new and innovative approaches to solve a variety of technical problems. Incumbent advises engineers, scientists, logisticians, analysts, contract specialists and private industry contractors on related state of the art constructive simulation technologies and standards.

FACTOR 5 - SCOPE AND EFFECT

The purpose of the work is to manage an effective warfighting constructive simulation technical program for the command in support of the acquisition and fielding of modeling and simulation systems. The work affects DOD's ability to train, deploy and fully utilize military personnel during combat operations.

FACTOR 6 - PERSONAL CONTACTS

Contacts are with high level management, private industry contractors and other professionals within and outside of the agency, and with high level officials in universities, research organizations, and design agents. Contacts also include representatives of domestic and foreign governments.

FACTOR 7 - PURPOSE OF CONTACTS

The purpose of contacts is to coordinate work efforts, resolve controversial questions and issues related to projects, and persuade others to adopt new technical approaches and expend resources. Frequently, the incumbent will serve as a spokesman in high level conferences to negotiate mutually satisfactory solutions to critical issues affecting agency policy, objectives and missions. Incumbent must obtain the cooperation and help of specialists in other organizations through his/her own personal contacts and efforts. Incumbent will frequently serve as symposia chairmen or session chairmen of important technical meetings, and will often be consulted by senior technical specialists in other organizations (government, academia and industry).

FACTOR 8 - PHYSICAL DEMANDS

The work is primarily sedentary.

FACTOR 9 - WORK ENVIRONMENT

The work is primarily performed in an office setting.

CRITICAL ACQUISITION POSITION AMENDMENT TO PD# 12067

"This is a Critical Acquisition Position. Unless specifically waived by the appropriate Army official, the following are statutory requirements (Reference: 10 U.S.C. 1733 - 1737):

- Selectee must be qualified for Acquisition Corps membership at the time of selection or possess a waiver.

- Selectee must execute, as a condition of appointment, a written agreement to remain in federal service in this position for at least 3 years. In signing such an agreement, the employee does not forfeit any employment rights, nor does such an agreement alter any other terms or conditions of employment."